



AMINO ACIDS

Nutritive Solution

Amino acids are natural products, versatile in behaviour and functions. These include the synthesis of new collagen or fibroblasts. Amino Acids Nutritive Solution includes: Alanine, Arginine, Aspartic Acid, Cystine, Glutamine, Glycine, Histidine, Isoleucine, Leucine, Lysine, Phenylalanine, Proline, Serine, Taurine and Threonine.

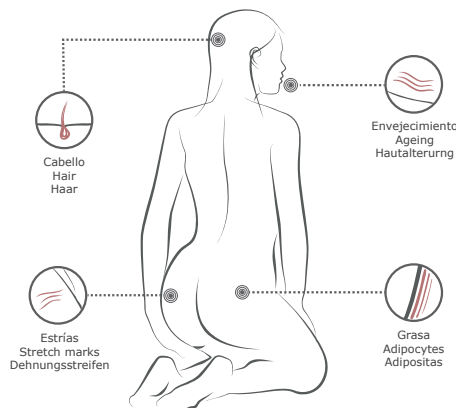
The result is a revitalized, regenerated and restructured skin with increased flexibility and elasticity, more luminous and improved texture.

DETAILED INFORMATION

Amino acids are versatile natural products on their behavior and properties, with a variety of biological functions to fulfill. Among them: water-binding, blocking environmental damages, restoring normal structure of the dermis, acting as antioxidants, improving tissue/hair nutrition, stimulating synthesis of new collagen, fibroblasts and keratin, as well as promoting wound-healing.

Water accounts for about 60% of the human body and about a half of the remaining part consists of amino acids. They are integral part of the Natural Moisturizing Factor (N.M.F.), which helps to maintain a healthy skin barrier and to keep it hydrated. It is known that the skin contains more amino acids than any other tissue in the living body.

They are the "building blocks" for all life and also the chemical basis for all proteins. The synthesis of fibrous proteins which are vital for the skin, such as collagen and elastin, can only take place if the necessary biological precursors, the amino acids, are available.



PRESENTATION

Ampoule | 2 ml | 0,07 fl.oz. | Box of 10 ampoules

TREATMENTS

Anti-ageing
Hair loss

Localized fat
Stretch marks and scars

CLAIM

Nutritive serum improves the skin appearance.

TREATMENTS AND RECOMMENDED MIXTURES¹

LIPOLYSIS AND LOCALIZED FAT	Phosphatidylcholine	5 ml
	L-Carnitine	5 ml
	Amino Acids	2 ml
HAIR LOSS	Biotin	2 ml
	Dexpanthenol	5 ml
	Trace Elements	2 ml
	Amino Acids	2 ml

¹ Create most appropriate mixture individually for your client's skin problem.

Continue on next page

More information: www.institutebcn.com

COMPONENTS

Alanine

- Guards against buildup of toxic substances.
- Used as skin and hair conditioning agent.
- Fills up wrinkles and provides skin with a smoother appearance.

Arginine

- Facilitates the Human Growth Hormone (HGH) release.
- Helps wound heal, repairs tissue and has a calming action with moisturizing and normalizing effects.
- Facilitates the increase of muscle mass, while reducing body fat.
- Encourages collagen production and increases elasticity.

Aspartic Acid

- Important in the functioning of RNA, DNA.
- Rejuvenates cellular activity, cell formation and metabolism.

Cystine

- Involved in collagen production and for alpha-keratin. In fact, hair and skin are made up of 10-14% Cystine.
- Wound healing.
- Powerful anti-oxidant.
- Protects the body from radiation damage.
- Provides anti-aging effect, delaying the aging process.
- Reduces age spots.
- Accelerates the recovery from burns and surgery.
- Promotes the burning of fat and the building of muscle.

Glutamine

- Assists in maintaining the proper acid/alkaline balance in the body.
- Basis of the building blocks for RNA and DNA synthesis.

Glycine

- Required for RNA and DNA synthesis.
- Helps in retarding muscles degeneration since it supplies extra creatine preventing flaccidity.
- Repairs damaged tissues and promotes healing.

Histidine

- Needed for growth and repair of tissue.
- Protects the body from damage caused by radiation.

Isoleucine

- Promotes muscle recovery and fights flaccidity.
- Promotes skin and bones repair.
- Assists with regulation of energy levels.

Leucine

- Assists in production of the Human Growth Hormone (HGH).
- Promote the healing of bones, skin and repair of muscle tissue.

Lysine

- Helps in collagen formation as well as tissue repair.
- Builds muscle proteins.

Phenylalanine

- Involved in melanin production.
- Involved in the collagen production for the skin structure and connective tissue.

Proline

- Needed for collagen production, reduces its loss through normal ageing.
- Strengthens muscles, keeps them flexible and so reduces sagging skin.

Serine

- Crucial in formation of phospholipids and healthy cells.
- Necessary for muscle growth. Aids creatine absorption that helps build and maintain all the muscles in the body.
- Involved in the function of RNA and DNA, fat and fatty acid metabolism as well as tissue growth.

Taurine

- Necessary for the management of potassium and calcium levels in tissues and for maintaining cell and membrane integrity.
- Strong anti-oxidant.
- Taurine deficiencies result in increased risk to free radical damage.
- Stimulates synthesis of the Human Growth Hormone (HGH).

Threonine

- Maintains proper protein balance in the body.
- Involved in collagen and elastin production.












TREATMENT PROTOCOLS

Initial considerations

THE IMPORTANCE OF INGREDIENTS: THE MESOCEUTICALS®

It is very important to use sterile and aseptic products in treatments with Meso Pen or Meso Roller. You have to keep in mind that this type of treatment produces small wounds on the skin's cutaneous surface. Therefore, the application of non-sterile products on the patient's skin may improve the risk of different cutaneous infections. Plus, the additives, preservatives and perfumes added to non-sterile products suppose a higher risk of allergies because when applied with Meso Pen or Meso Roller they reach a higher depth than with topic use.

The Institute BCN's mesoceuticals® are:

 Meticulously selected pure active ingredients	 Based on original mesotherapy formulas	 Sterile (no preservatives or additives) and highly tolerant	 Pharmaceutical formulations
 Safe	 Highly concentrated	 Proven effectiveness	 Comfortable application using a gentle cosmetic procedure
 Products can be combined to obtain a specific mix for each individual case to be treated	 Monodose	 Mesotherapeutic product for aesthetic purposes	

RECOMMENDED PROTOCOL

Institute BCN team works hard to know and prove the **latest improvements on techniques and procedures applied to transdermal mesotherapy treatments**. The recommendations you will find below are the result of our daily work.

Institute BCN strongly recommends the following two-phase protocol:

1. Meso Pen (ideally) or Meso Roller treatment.
2. TDS treatment (Transdermal Delivery System)* for the application of a hyaluronic acid layer on face treatments and hyaluronic acid + DMAE layer on body treatments.

* [Electroporation, iontophoresis, ultrasounds, thermotherapy, vacuum therapy, galvanic and continuous currents or radiofrequency, among others].

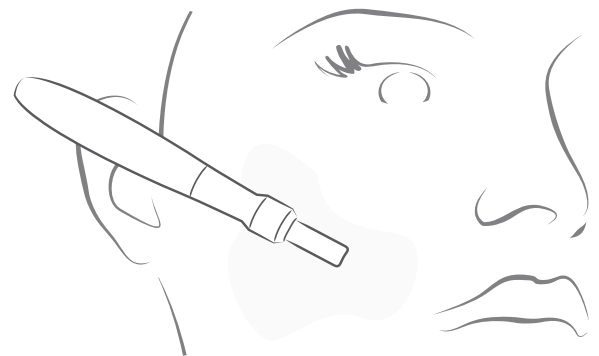
It is not indispensable to apply the combined technique Meso Pen + TDS. It is also possible to perform the treatment only with Meso Pen, Meso Roller or TDS individually. For traditional mesotherapy treatments see the applicable law in your country.

BENEFITS OF MESO PEN + TDS PROTOCOL

Meso Pen is an electronic micro needle mechanism that opens more than **1.000 micro channels per second in the skin**. These cutaneous micro channels or micro trauma create an innate response on the organism that helps repair the skin, which leads to the following benefits:

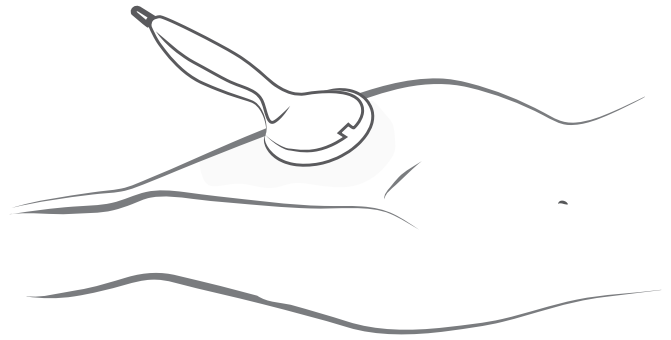
- Stimulates **collagen and elastin** creation.
- Has a **firming and rejuvenating** effect.
- Improves the appearance of **scars and stretch marks**.
- Improves skin **wrinkles** and fine expression lines.
- Reduces **pore** size.
- Stimulates **hair** growth and prevents hair loss.
- In addition, favours the penetration of **active ingredients**.

Meso Pen is the **most secure, hygienic, quick and effective** transdermal penetration system of the market.



The infiltration of a **Hyaluronic Acid 2% (BCN Classics, sterile vial)** layer after the Meso Pen treatment, applied with any of the transdermal delivery systems (TDS), leads to the following benefits:

- Creates a **'sealing effect'** that fixes the product or mix applied during the treatment, increasing its results.
- This 'sealing effect' contributes to **prevent transdermal water losses** that may arise from Meso Pen treatments and increases skin hydration.
- **Protective** action. It creates a non occlusive film that protects the skin from environmental aggressions.
- **Scarring** effect. It favours a quick skin re-epithelialisation, in other words, the recovery of its normal functions and cellular communication after disturbances induced by Meso Pen treatment.
- **Filling** action. Hyaluronic acid retains water molecules creating a filling effect and increasing skin volume.
- Also, it offers a **warm and nice sensation** to the patient as the final part of the treatment.



SESSIONS' INTERVAL / ACTIVE INGREDIENTS QUANTITY

Sessions	<p>We recommend a 14 days interval between sessions with Meso Pen.</p> <p>We recommend a 7 days interval between sessions with Meso Roller.</p> <p>We recommend a 6 days interval between sessions with TDS.</p>
Quantity / area	Mixtures quantities can be changed according to the treated area and the system used.

TREATMENTS WITH MESOCEUTICALS®



ACNE



ANTI-AGEING



CELLULITE



EYE AREA



STRETCH MARKS AND SCARS



LOCALIZED FAT



HYPERPIGMENTATION



HAIR LOSS



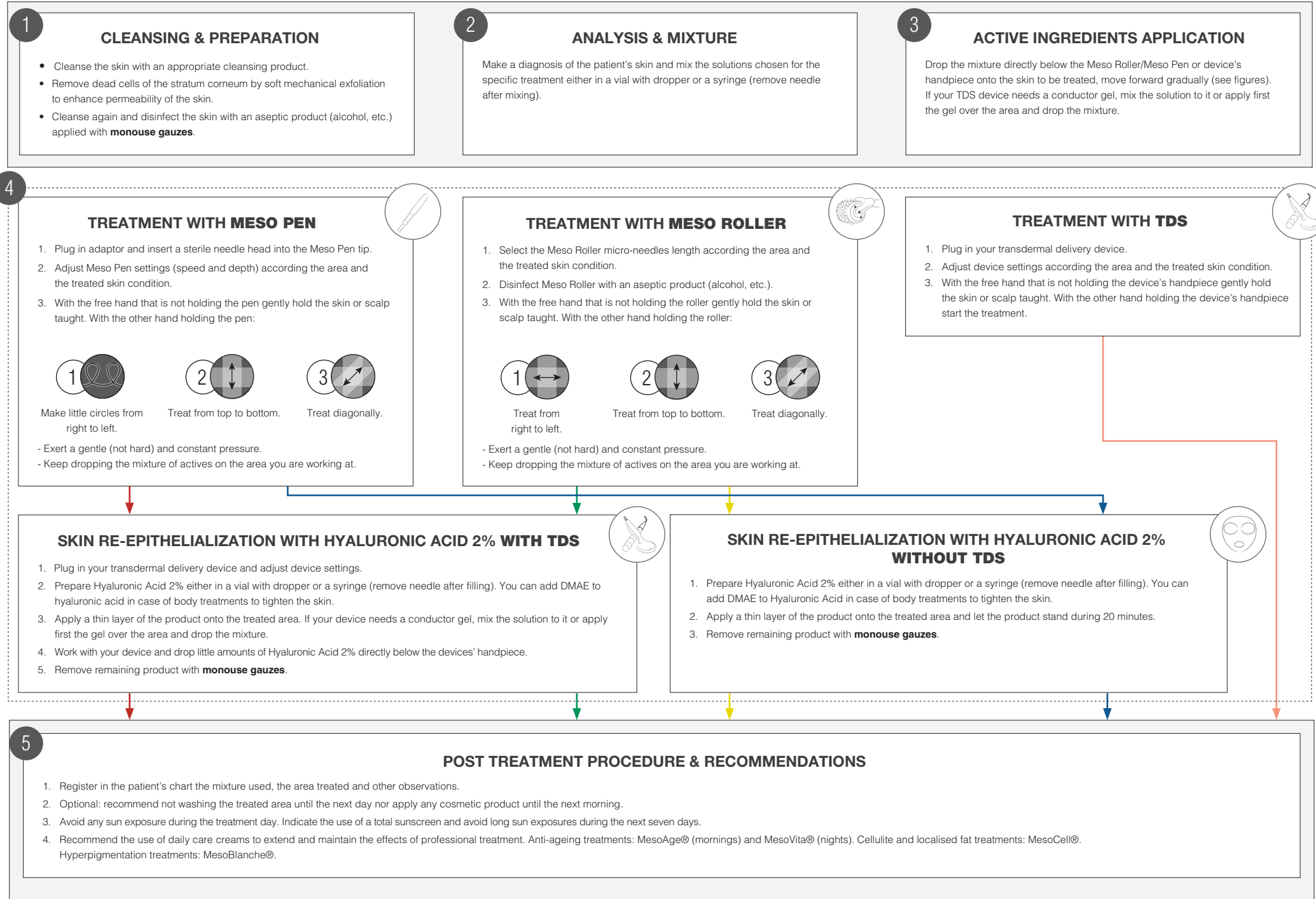
FIRMING



COUPEROSE

WARNINGS

- See the applicable law in your country.
- We recommend getting a signed consent from each patient before starting the treatment.
- To avoid infections, make sure the device is not in touch with other objects before the treatment.
- Follow the hygienic standards of medical-aesthetic practice (disinfection, use of gloves, treatment room's proper cleansing, etc.).
- Examine skin's patient before treatment. Do not perform the treatment if the skin is infected, inflamed, injured or if there is any other anomaly.
- Make sure you check the seal, damage and term of validity of the active ingredients before starting the treatment.
- Meso Pen needles are for single use only. Meso Roller is for personal and not transferable use and should be disinfected before and after each treatment.
- Do not exert excessive pressure with Meso Pen nor and Meso Roller.
- Avoid the contact of Meso Pen and Meso Roller with lips and eyelids, as the skin is thinner in these areas.
- Do not perform this kind of treatments to underage people.
- Redness and burning/ itching mild sensation are absolutely normal reactions after the treatment with Meso Pen or Meso Roller. Duly inform the patient about it.
- Follow the instructions, contraindications and warnings supplied by the manufacturer of the device used for the treatment carefully.
- You should pay special attention to patients who have or have suffered from various diseases such as heart abnormalities, blood clotting problems, platelet abnormalities, anticoagulant therapy, facial cancer (past or present), chemotherapy, steroid treatment, facial skin diseases, diabetes and other chronic diseases. It is not recommended to use Meso Pen to pregnant or lactating women. It is also not recommended to apply a Meso Pen treatment to people who have undergone a botox treatment after 2 weeks minimally or 4 if they have some kind of filler.
- If rashes, allergic reactions or other unwanted effects occur, stop the treatment immediately and contact Institute BCN customerservice@institutebcn.com.

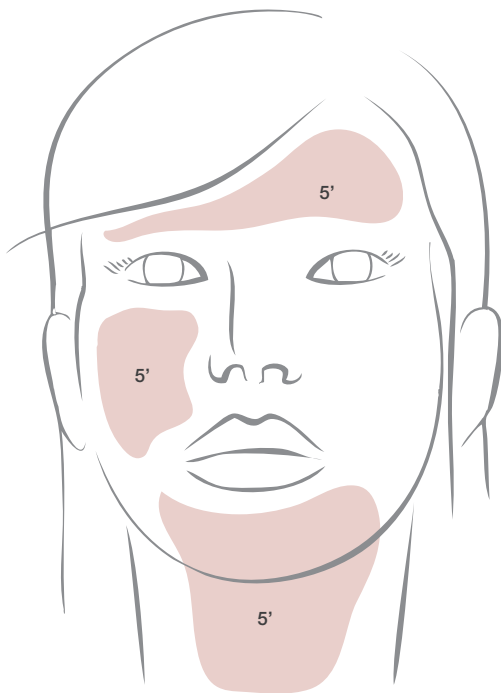
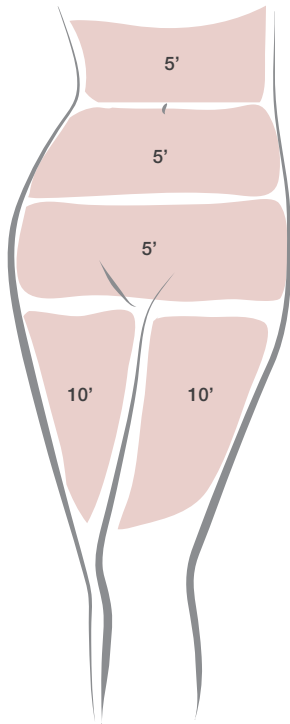


Vertical Legend:

- TDS (red arrow)
- Meso Roller (yellow arrow)
- Meso Roller + TDS (green arrow)
- Meso Pen (blue arrow)
- Meso Pen + TDS (red arrow)

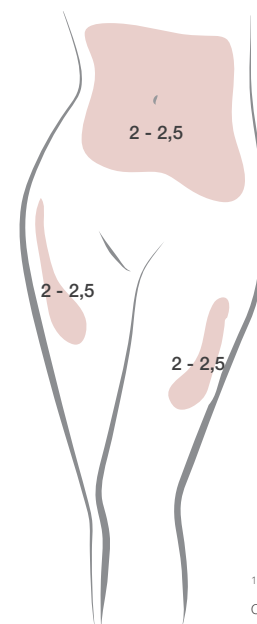
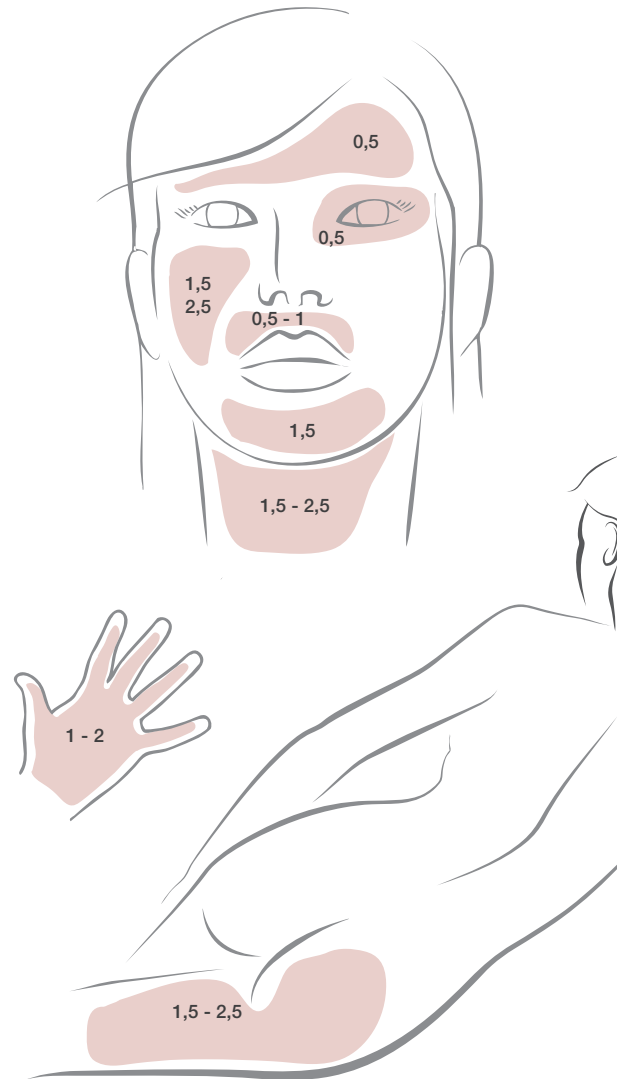
TDS

RECOMMENDED TREATMENT TIME PER AREA



MESO PEN

RECOMMENDED DEPTH PER AREA¹



¹ Depths over 2mm can only be applied by qualified medical professionals.